## CLAIMS

1. A semiconductor device comprising:

a die-pad including a first surface and a second surface opposite to the first surface, the second surface including an exposed portion and a retreated portion around the exposed portion;

a semiconductor chip mounted on the first surface of the die-pad; and

a sealing resin covering the die-pad and the semiconductor chip, the resin allowing the exposed portion to be exposed and being held in contact with the retreated portion.

- 2. The semiconductor device according to claim 1, wherein the retreated portion is defined by a retreated surface and a side surface which adjoins the exposed portion and forms an acute angle together with the retreated surface.
- 3. The semiconductor device according to claim 1, wherein the die-pad is formed with a slit that is opened in the retreated surface of the second surface and in the first surface.
- 4. The semiconductor device according to claim 1, wherein the die-pad is formed with a plurality of slits that are opened in the retreated surface of the second surface and in the first surface, the plurality of slits being arranged to surround the semiconductor chip.

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5. The semiconductor device according to claim 3, wherein the semiconductor chip is electrically connected to the die-pad via a first wire, the first wire being connected to the first surface of the die-pad at a portion between a peripheral edge of the die-pad and the slit.

6. The semiconductor device according to claim 1, further comprising a terminal electrically connected to the semiconductor chip via a second wire, the terminal being retained by the sealing resin so as to be partially exposed.

7. A semiconductor device comprising: a semiconductor chip; a die-pad including an upper surface on which the semiconductor chip is mounted and a lower surface opposite to the first surface, the die-pad being electrically connected to the semiconductor chip via a first wire; a plurality of leads electrically connected to the semiconductor chip via second wires; and a sealing resin enclosing the semiconductor chip in a manner such that the lower surface of the die-pad is exposed;

wherein the die-pad includes a thin-walled portion formed by removing a part of the lower surface along a peripheral edge of the die-pad, the die-pad being formed with at least one slit extending through the thin-walled portion.

8. The semiconductor device according to claim 7, wherein the sealing resin extends under the thin-walled portion so as not to expose an opening of the slit.

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- 9. The semiconductor device according to claim 8, wherein the slit extends along a side surface of the semiconductor chip around the semiconductor chip.
- 5 10. The semiconductor device according to claim 8, wherein the first wire is connected at one end thereof to the semiconductor chip and connected at another end thereof to the die-pad at a portion between a peripheral edge of the die-pad and the slit.
- 10 11. A method of making a semiconductor device comprising the steps of:

punching a conductive frame to form a die-pad with a slit, the die-pad including an upper surface and a lower surface opposite to the upper surface, the slit extending through the die-pad at a location adjacent to a peripheral edge of the die-pad;

etching the lower surface along the peripheral edge of the die-pad so as to form a thin-walled portion in the die-pad in a manner such that the slit is opened at the thin-walled portion;

mounting a semiconductor chip on the upper surface of the die-pad;

bonding a wire to the semiconductor chip and to the die-pad; and

sealing the semiconductor chip with a sealing resin in a 25 manner such that the lower surface of the die-pad is exposed.